

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC
Draw Desc	Image										

☐ 4. Document ID: DE 4209242 A1 DE 59300363 G EP 562329 A1 EP 562329 B1 FI 9301229 A JP 06016965 A US 5277711 A

L35: Entry 4 of 7

File: DWPI

Sep 23, 1993

DERWENT-ACC-NO: 1993-304384

DERWENT-WEEK: 199339

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TITLE: Gloss pigment comprising mixt. of aluminium@ particles coated with iron oxide - and mica particles coated with iron oxide avoiding danger of ignition and dust explosion

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC
Draw Desc	Image										

☐ 5. Document ID: EP 419964 A DE 3932166 A AU 9063151 A CA 2026120 A JP 03126625 A AU 632853 B EP 419964 B1 DE 59004210 G

L35: Entry 5 of 7

File: DWPI

Apr 3, 1991

DERWENT-ACC-NO: 1991-095449

DERWENT-WEEK: 200155

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TITLE: Iron oxide red or brown pigment micro:granulate prodn. - from iron oxide yellow or black suspension by spray drying and calcination

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC
Draw Desc	Image										

☐ 6. Document ID: JP 61127661 A

L35: Entry 6 of 7

File: DWPI

Jun 14, 1986

DERWENT-ACC-NO: 1986-194082

DERWENT-WEEK: 198630

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TITLE: Di:electric ceramic material - prepd. by including iron oxide in principal compsn. contg. titanium-, barium-, and neodymium oxide used for dielectric resonator

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWC
Draw Desc	Image									

☐ 7. Document ID: SU 975634 A

L35: Entry 7 of 7

File: DWPI

Nov 23, 1982

DERWENT-ACC-NO: 1983-770115

DERWENT-WEEK: 198338
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TITLE: Ferrous binder for non-roasting granulation of iron ores - prepd. by mixing iron oxide(s) with carbonate component, firing and grinding clinker

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

K00C

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Term	Documents
TEMPERATURE.DWPI,EPAB,JPAB,USPT,PGPB.	2201326
TEMP.DWPI,EPAB,JPAB,USPT,PGPB.	766852
TEMPS.DWPI,EPAB,JPAB,USPT,PGPB.	79296
TEMPERATURES.DWPI,EPAB,JPAB,USPT,PGPB.	628572
(34 AND TEMPERATURE).USPT,PGPB,JPAB,EPAB,DWPI.	7
(L34 AND TEMPERATURE).USPT,PGPB,JPAB,EPAB,DWPI.	7

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WEST

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Search Results - Record(s) 1 through 7 of 7 returned.☐ 1. Document ID: US 5439518 A

L35: Entry 1 of 7

File: USPT

Aug 8, 1995

US-PAT-NO: 5439518

DOCUMENT-IDENTIFIER: US 5439518 A

TITLE: Flyash-based compositions

DATE-ISSUED: August 8, 1995

INVENTOR-INFORMATION:

NAME

Francis; Hubert C.

Ksionzyk; Anne H.

CITY

Lithonia

Decatur

STATE

GA

GA

ZIP CODE

COUNTRY

US-CL-CURRENT: 106/705; 106/778, 106/783, 106/785, 106/DIG.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC
Draw Desc	Image										

☐ 2. Document ID: RU 2097357 C1

L35: Entry 2 of 7

File: DWPI

Nov 27, 1997

DERWENT-ACC-NO: 1998-331037

DERWENT-WEEK: 199829

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TITLE: Composition of protective-decorative coating for building constructions - contains phosphate binder, pigment and filler selected from specified groups, latex, surfactant, foam extinguisher and water

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC
Draw Desc	Image										

☐ 3. Document ID: DE 19548418 A1 US 5718755 A

L35: Entry 3 of 7

File: DWPI

Jun 26, 1997

DERWENT-ACC-NO: 1997-333918

DERWENT-WEEK: 199814

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TITLE: Black iron oxide pigment granules for pigmentation - are produced by tempering the spray dried granulate at specified temperature in an indirectly heated rotary oven

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L38: Entry 42 of 182

File: USPT

Jul 25, 2000

US-PAT-NO: 6093761

DOCUMENT-IDENTIFIER: US 6093761 A

TITLE: Binder system and method for particulate material

DATE-ISSUED: July 25, 2000

INVENTOR-INFORMATION:

NAME

Schofalvi, Karl-Heinz

CITY

South Euclid

STATE

OH

ZIP CODE

COUNTRY

ASSIGNEE-INFORMATION:

NAME

Stanton Advanced Materials, Inc.

CITY

Richmond Hts. OH

STATE ZIP CODE

COUNTRY TYPE CODE

02

APPL-NO: 09/ 291904 [PALM]

DATE FILED: April 14, 1999

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS This application claims the benefit of U.S. Provisional Application No. 60/083,184 filed Apr. 27, 1998.

INT-CL: [07] C08 K 5/29, C08 K 3/18, C08 K 3/22.

US-CL-ISSUED: 524/195; 524/430, 524/439, 524/442

US-CL-CURRENT: 524/195; 524/430, 524/439, 524/442

FIELD-OF-SEARCH: 524/195, 524/430, 524/439, 524/442

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>3933941</u>	January 1976	Yonemitsu et al.	260/873
<input type="checkbox"/>	<u>4197118</u>	April 1980	Wiech, Jr.	75/228
<input type="checkbox"/>	<u>4265794</u>	May 1981	Pett et al.	264/63
<input type="checkbox"/>	<u>4283360</u>	August 1981	Henmi et al.	264/63
<input type="checkbox"/>	<u>4305756</u>	December 1981	Wiech, Jr.	75/211
<input type="checkbox"/>	<u>4456713</u>	June 1984	French et al.	523/455
<input type="checkbox"/>	<u>4595558</u>	June 1986	Baldwin et al.	419/66
<input type="checkbox"/>	<u>4602953</u>	July 1986	Wiech, Jr.	75/228

<input type="checkbox"/>	<u>4624812</u>	November 1986	Farrow et al.	524/413
<input type="checkbox"/>	<u>4638029</u>	January 1987	Meschke et al.	524/430
<input type="checkbox"/>	<u>4734237</u>	March 1988	Fanelli et al.	501/87
<input type="checkbox"/>	<u>4765950</u>	August 1988	Johnson	419/2
<input type="checkbox"/>	<u>4814370</u>	March 1989	Kramer et al.	524/391
<input type="checkbox"/>	<u>4891399</u>	January 1990	Ohkawa et al.	523/200
<input type="checkbox"/>	<u>4898902</u>	February 1990	Nagai et al.	524/275
<input type="checkbox"/>	<u>5002988</u>	March 1991	Ono et al.	524/100
<input type="checkbox"/>	<u>5028367</u>	July 1991	Wei et al.	264/63
<input type="checkbox"/>	<u>5030677</u>	July 1991	Achikita et al.	524/183
<input type="checkbox"/>	<u>5066625</u>	November 1991	Philipp	501/127
<input type="checkbox"/>	<u>5087594</u>	February 1992	Kato et al.	501/97
<input type="checkbox"/>	<u>5098942</u>	March 1992	Menke et al.	524/314
<input type="checkbox"/>	<u>5135977</u>	August 1992	Achikita et al.	524/183
<input type="checkbox"/>	<u>5145900</u>	September 1992	Sterzel et al.	524/404
<input type="checkbox"/>	<u>5155158</u>	October 1992	Kim	524/424
<input type="checkbox"/>	<u>5250251</u>	October 1993	Fanelli et al.	264/328.2
<input type="checkbox"/>	<u>5252314</u>	October 1993	DeGuire et al.	423/593
<input type="checkbox"/>	<u>5256451</u>	October 1993	Philipp et al.	427/374.2
<input type="checkbox"/>	<u>5266264</u>	November 1993	Miura et al.	419/37
<input type="checkbox"/>	<u>5278251</u>	January 1994	Ohtani et al.	525/309
<input type="checkbox"/>	<u>5280086</u>	January 1994	Kawamoto et al.	525/398
<input type="checkbox"/>	<u>5281650</u>	January 1994	Burk et al.	524/430
<input type="checkbox"/>	<u>5286802</u>	February 1994	Uesugi et al.	525/309
<input type="checkbox"/>	<u>5298654</u>	March 1994	DeGuire et al.	562/597
<input type="checkbox"/>	<u>5332537</u>	July 1994	Hens et al.	264/22
<input type="checkbox"/>	<u>5342563</u>	August 1994	Quinn et al.	264/63
<input type="checkbox"/>	<u>5362791</u>	November 1994	Ebenhoech et al.	524/440
<input type="checkbox"/>	<u>5366669</u>	November 1994	Quadir et al.	264/6
<input type="checkbox"/>	<u>5380179</u>	January 1995	Nishimura et al.	419/36
<input type="checkbox"/>	<u>5395654</u>	March 1995	Philipp et al.	427/376.6
<input type="checkbox"/>	<u>5397531</u>	March 1995	Peiris et al.	419/36
<input type="checkbox"/>	<u>5417756</u>	May 1995	Bayer et al.	106/272
<input type="checkbox"/>	<u>5421853</u>	June 1995	Chen et al.	75/252
<input type="checkbox"/>	<u>5439964</u>	August 1995	Ohst et al.	524/297
<input type="checkbox"/>	<u>5585428</u>	December 1996	Quinn et al.	524/400
<input type="checkbox"/>	<u>5641920</u>	June 1997	Hens et al.	75/228

ART-UNIT: 174

PRIMARY-EXAMINER: Sanders; Kriellion

ABSTRACT:

The present invention relates to a binder composition comprising a polycarbonate polymer; an ethylenebisamide wax; and a guanidine wetting agent. The present invention further relates to a method for forming a sintered part by powder injection molding, including the steps of forming a green composition comprising a binder and an inorganic powder, wherein binder is a composition comprising a polycarbonate polymer, an ethylenebisamide wax, and a guanidine wetting agent; melting the composition; injecting the composition into a mold for a part; heating the part to a temperature at which the binder decomposes; heating the part to a temperature at which the inorganic powder is sintered. The binder composition of the present invention is useful for press and sinter applications as well as for powder injection molding applications.

32 Claims, 5 Drawing figures